



SCIENCE AND TECHNOLOGY COUNCIL

TAKNEEK '18

ON THE SHOULDERS OF GIANTS



Lost in Dark

Team Event

Points: 30

Any number of teams of at most 3 members can register for the event. However, each team must have at least 2 members from Y18. Registration will be on spot.

The event will be conducted in two rounds. The first round will be a qualification round. At the end of the first round, 30% of the number of teams that participated for the first round, or 5 teams, whichever is lesser, will qualify for the second round.

The first round involves **identification of images** of some well-known celestial entities.

1. Name of ten astronomical bodies need to be identified.
2. Every image will be shown for a duration of 20 seconds. Additional 10 seconds will be given between images for writing answers.
3. There will be no negative marking for wrong answers.

The second round is the **Lost Explorer**. You are a space explorer and you have been trapped in a life threatening situation outside of any possible communications. You have to rescue yourself by providing solutions to a series of problems. Rules and Regulations are as follows:

1. There will be 5 problems and 2 bonus questions which have to be solved within a duration of 2 hours.
2. After solving every question, you will get a new question and the pool with maximum points at the end of time will win the competition.
3. The questions may also include simulation of night sky on the planetarium along with direct application of astronomical knowledge for solving the given problem.
4. Every answer will include an abstract (written/verbal) about how the pool arrived at the solution.
5. Every team is allowed at most 2 hints in a question and at most 5 hints for the entire competition. Each hint will reduce the points earned by that pool by 50% for that question (i.e. if you answer after taking only one hint, you will be awarded 50% of the points and if you take another hint for the same question, you will awarded only 25% for the correct answer).
6. No hints will be given for bonus questions. However, bonus questions can be skipped. Once skipped, a bonus question cannot be answered at a later stage.
7. In the final tally, the first round will have 30% weightage, and second round 70%.
8. You may bring **transparent** writing pads, calculators and pens of your own for the competition whose venue will be the **Astronomy Club** room and time will be conveyed through Takneek '18 website.
9. The pool, which fails to reach the venue on communicated time, shall be disqualified. Any pool trying to aid other pools shall be disqualified without any discussion. Since the competition will be held in Astronomy club, it is every pool's responsibility to ensure that their answers do not leak to their neighbouring pools.
10. Point system and judging criteria for the answers will be communicated on the spot.
11. In case of any dispute, decision of Astronomy club shall be final and irrevocable.
12. In case of a tie, marks earned in bonus questions will be compared.

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